# Case Study Template for Mini-grid Projects

# Mozambique Off-grid Knowledge Hub on Energypedia

**Background Information**

The Mozambique Off-grid Knowledge Hub on energypedia is a one-stop gateway for curated information on renewable energy in Mozambique. Developed jointly by the initiative Green People’s Energy for Africa and energypedia, this hub serves as an online space for mutual collaboration as well as knowledge exchange among experts from different organisations, companies, and institutions in Mozambique.

Against this background, we welcome **case studies from mini-grid / nano-grid projects** in Mozambique to feature their learnings and recommendations on the hub. The aim is to promote mutual learning and avoid reinventing the wheel for moving the Mozambican RE sector forward.

Should you be interested in featuring your case study, please fill out this form and send it to [ranisha.basnet@energypedia.info](mailto:ranisha.basnet@energypedia.info). You can fill out the form in either English or Portuguese language. If you need a form in Portuguese you can download it at the [**Case Study Info Page**](https://energypedia.info/wiki/Case_Studies_on_Energy_Access_Projects_in_Mozambique).

Depending on technologies, products and services offered, not all fields may be applicable. Just select the ones you can report on and leave the other ones empty.

## **Summary**

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| **Organisation name** | *Organisation Name* |
| **Name of the project** | *Project Name* |
| **Site Location** | *Village/District, Region, Country* |
| **Project period (start and end date)** | *Month, Year – Month, Year/ ‘ongoing’ (if still running)* |
| **Total Funding/budget (if applicable)** | *In currency of preference* |
| **Installed capacity (MW)** | *Installed capacity (MW)* |
| **Nano/Mini-grid lifetime** | *Nano/Mini-grid lifetime* |
| **Power source** | *Solar, hydro, wind, biomass, hybrid…* |

## **Stakeholders**

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| **Name of the Organisation/Entity** | **Role in the project** |
|  | *Project development & implementation* |
|  | *Project financing* |
|  | *Operation & maintenance* |
|  | *Beneficiaries* |
|  | *Other (any other stakeholder with specific roles)* |

## **Project Background**

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| *Describe the context and the pre-existing energy challenges. Any plans for grid extension in this location? Proximity to the nearest grid and energy solution available before your intervention. Your project’s approach to solve the challenges mentioned.* |

## **Project Description**

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| **Brief description of the project process** | *How has the community been involved in the entire project process; how did you select the target community…* |
| **Specifications of the nano/mini-grid** | * *Short description of systems / technologies or services offered;* * System usage (in terms of 100%, how much of the produced electricity is used) * *Any back-up generator/battery* |
| **Funding model used** | * *Do you have external financial support from grants, venture capital, stock capital, other?* * *Business model: public-private, community* * *PPA agreement with EDM..* |
| **Financing and payment options for the target audience** | * *Tariff per kWh for end-consumer (initial connection cost)* * *Tariff reflective of the actual cost?* * *Subsidies available for end-consumers* * *Payment options: Pre-paid, smart meters, Payment collection: mobile money, door-to-door…* |
| **Long-term Operation & Maintenance** | * *Who is responsible and who pays for it? Is the community involved?* * *Is there local technical expertise or knowledge transfer planned?* |
| **Monitoring of systems** | *How do you monitor the systems and their correct usage?* |

## **Positive impacts on the community**

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| * *No. of households reached, institutions electrified, jobs created, social institutions / companies powered and other positive impact on the community…* * *Types of productive uses supported in the community* |

## **Constraints and Recommendations**

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| *Major challenges faced and how you solved them?*  *What are the challenges related to reaching last-mile consumers? How do you tackle them?*  *Are there any policy and regulatory constraints?*  *Challenges with regard to tariff payment or O&M of the system?*  *What happens in case of major system failure and parts replacement or other high operation expenses occur? Who pays for it?*  *Key recommendations based on your experience?* |

## **COVID related constraints**

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| *Specific challenges due to COVID (funding, low purchasing power…)? If yes, (how) did you overcome it (wherever applicable)* |

## **Resources / Links**

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| *Please add here links to all resources (factsheets, reports, flyers, videos…) related to your project that you want to share in the case study page* |

## **Pictures**

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| *Please send us 2-3 high-definition pictures to be added to the case study*  *Please indicate the name of the photographer and make sure you have the rights for them to be published online on energypedia* |

## **Contact**

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| --- | --- |
| **Name and position** |  |
| **Email address** |  |
| **Website** |  |